



Airworthiness Directive

D-2004-473

Luffahrt-Bundesamt

Airworthiness Directive Section
Hermann-Blenk-Str. 26
38108 Braunschweig
GERMANY

Thielert Aircraft Engines

Effective Date: 14 November 2004

Affected:

Kind of aeronautical product: Aircraft Engine
Manufacturer: Thielert Aircraft Engines GmbH, Platanenstrasse, Lichtenstein, Germany
Type: TAE125
Models affected: TAE125-01
Serial Numbers affected: All Engines equipped with High Pressure Fuel Pumps
- P/N 02-7310-04005R3 and 02-7310-04005R4 with S/N's listed on page 3 of the manufacturer's Service Bulletin No. TAE 125-0009, Rev. 1 and
- P/N 02-7310-04005R2 and
- all High Pressure Pumps with a P/N beginning with "A"
German Type Certificate No.: 4631

Subject:

Detachment of high pressure fuel pump mounting bolts.

Reason:

Mounting bolts of high pressure fuel pumps have been found detached due to insufficient locking of the affected bolts. In one case a significant fuel leakage at the fuel pump was determined shortly before take-off of the aircraft. The actions specified in this Airworthiness Directive are intended to prevent loosening of fuel pump mounting bolts, which could result in fuel leakage, engine fire and loss of engine power because of fuel supply interruption.

Action:

The following actions are required by this Airworthiness Directive:

1. Mounting bolts of High Pressure Pumps P/N 02-7310-04005R3 and P/N 02-7310-04005R4, with S/Ns listed on page 3 of the manufacturer Service Bulletin No. TAE 125-0009, Revision 1, have to be secured with Loctite 243 Blue Threadlocker.
2. All High Pressure Pumps P/N 02-7310-04005R2 and all High Pressure Pumps with a P/N beginning with "A" have to be exchanged.

All necessary measures must be accomplished in accordance with the mentioned Service Bulletin of the manufacturer.

Compliance:

The necessary actions must be performed within the next 20 flight hours, within the next inspection or until 30 November 2004, whichever occurs first.

Technical publication of the manufacturer:

Thielert Service Bulletin No. TM TAE 125-0009, Revision 1, of 29 October 2004. This Service Bulletin becomes herewith part of this AD and may be obtained from:

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EASA-Approval

Approved by EASA under Approval-No. 2004-10850 on 4 November 2004